

ABSTRACT

Media ~~[[G]]~~ granules ~~comprise~~ of binder-agglomerated active particles ~~for liquid treatment or filtration.~~ Each granule has each have a center core of a material that itself has binding properties without the addition of other binders or sprays or adhesives, or, alternatively, each granule comprises a matrix of active materials stuck together with the binder. The ~~binder structure~~ core preferably ranges from a non-uniform matrix of binder formed by heat-deformed binder particles, to a clump of binder particles generally retaining the original shape or the binder particles, to non-continuous connectors of binder between active particles. The ~~invented~~ two-part media has high surface area per volume ~~of media, which, because the outer surface and inner void surfaces of the particles are preferably substantially~~ that is covered with active particles, ~~translates to for~~ high activity for the preferred treatment process. Therefore, while a A mixture of active particles ~~may be used~~ and a mixture of binders may be used. ~~, e~~ Each media granule preferably consists only of a matrix, clump, or plurality of connectors of binder coated with active particles, with preferably no support for the active component other than the binder material.